

From: [Stone, Linda@Waterboards](mailto:Stone.Linda@Waterboards)  
To: [Burke, NadiaHollan](mailto:Burke.NadiaHollan)  
Subject: FW: DRAFT Pesticide CAP references  
Date: Wednesday, May 01, 2013 10:17:18 AM  
Attachments: [MitreTek White Paper 6 June 2005.pdf](#)

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This seems to be a key document for the basis for the AF's "position" on dieldrin that I not seen before now.

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**From:** Calvin Cox [mailto:Calvin.Cox@cn-bus.com]  
**Sent:** Wednesday, May 01, 2013 7:07 AM  
**To:** Ladaa, Tarek  
**Cc:** Daftary, David; Sologeo; GRONSTAL, DONALD K GS-12 USAF HAF AFCEC/CIBW; Stone, Linda@Waterboards  
**Subject:** RE: DRAFT Pesticide CAP references

Good Morning Tarek,

Susan's (MitreTek) White Paper dated 6 June 2005 is attached.

Let me know if Linda requires more!

**Calvin C. Cox**

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**From:** Sologeo [mailto:Susan@sologeo.com]  
**Sent:** Tuesday, April 30, 2013 7:41 PM  
**To:** Ladaa, Tarek  
**Cc:** Calvin Cox; Daftary, David  
**Subject:** Re: DRAFT Pesticide CAP references

I've got it because I wrote it [REDACTED]

[REDACTED]. It is not in the AR because it was developed as feeder document for the AF position paper. The AF position paper was also developed for internal use so it is also not in the AR.

Susan Soloyanis

On Apr 30, 2013, at 4:48 PM, "Ladaa, Tarek" <[Tarek.Ladaa@cbi.com](mailto:Tarek.Ladaa@cbi.com)> wrote:

Do either of you have a pdf of the Mitertek report? Please see below.

Tarek Ladaa, P.E., PMP  
Project Manager  
Federal Services  
CB&I

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**From:** Stone, Linda@Waterboards [<mailto:linda.stone@waterboards.ca.gov>]  
**Sent:** Tuesday, April 30, 2013 06:38 PM  
**To:** [donald.gronstal@us.af.mil](mailto:donald.gronstal@us.af.mil) <[donald.gronstal@us.af.mil](mailto:donald.gronstal@us.af.mil)>; Ladaa, Tarek; Daftary, David  
**Cc:** 'Nadia Burke Hollan' <[Burke.NadiaHollan@epamail.epa.gov](mailto:Burke.NadiaHollan@epamail.epa.gov)>  
**Subject:** DRAFT Pesticide CAP references

Hello

The Draft Pesticide CAP references a Mitretek Systems June 2005 White Paper, which I could not locate in the AR for that time period. Can someone send me a copy or direct me to where I can find it the AR?

Thanks

Linda

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## BULLET BACKGROUND PAPER GEORGE PESTICIDE AREA OF CONCERN

**Background:** The Pesticide AOC consists of several distinct areas on west George: soil AOCs at Building 513 (former entomology shop), golf course pesticide mixing area, engineering pesticide mixing area and former military housing, and groundwater AOC beneath and downgradient of the former military housing. Although never officially included in the George CERCLA program (i.e., not part of a Federal Facility Agreement Operable Unit), past AFRPA actions (e.g., field sampling plans, recurring groundwater monitoring, and investigation reports) might imply inclusion in our CERCLA process. Susan Soloyanis, Mitretek Systems, and I have collated conceptual site models, investigative results, and proposed site-specific paths forward (attached, George AFB Pesticide AOC White Paper).

### Situation and recommendations:

- Building 513, Former Entomology Shop
  - Potential Spill Site
  - Chemical of Potential Concern is Chlordane
  - "CERCLA" Investigation; acceptable risk -- recommendation will be No Action (NA)
  - Recommendation: document NA in Operable Unit 4 Record of Decision
- Pesticide Mixing Area at Golf Course
  - Potential Spill Site
  - "CERCLA" Investigation, no contamination found
  - Recommendation: document NA in Operable Unit 4 Record of Decision
- Engineering Mixing Area
  - Potential Spill Site
  - Investigation conducted, no contamination found, formal documentation lacking
  - Recommendation: document NA in Operable Unit 4 Record of Decision
- Former Military Housing
  - Application of pesticide (Aldrin/Dieldrin) in accordance with its purpose
  - Scoping investigation conducted, elevated levels found under housing slabs and immediately surrounding areas (e.g., drip line)
  - Recommendation
    - Exclude the contamination from CERCLA [42 USC § 9607(i)]
    - FOST property with restrictions and notifications
- Groundwater AOC
  - Chemical of Concern is Dieldrin
  - Likely source is the migration from soil applications a housing driven by surface irrigation practices
  - Investigation ongoing, low levels
    - Highest value detected 150 part per trillion (ppt)
    - No MCL for Dieldrin; Water quality objective 2 ppt
    - Ratio of 2 ppt =  $10^{-6}$  to 150 ppt =  $7.5 \times 10^{-5}$  (within CERCLA risk range)
  - Leaking golf course pond appears to be causing migration toward City of Adelanto water supply wells
  - Recommendation:
    - "Order" Lessee to fix leak or drain golf course pond
    - Document guard well monitoring in OU 4 ROD



## **FORMER GEORGE AIR FORCE BASE PESTICIDE AREA OF CONCERN**

### **Summary**

The Pesticide Area of Concern (AOC) consists of soils at Building 513, the golf course pesticide mixing area, an engineering pesticide mixing area, soils in the housing area, and ground water beneath and downgradient of the housing area. The soils have been sampled to determine the actual sources of Dieldrin in ground water. The current status of these areas is:

- Building 513, the Entomology building where pesticides were mixed, is now a separate AOC. It is being investigated and will be remediated, if necessary, under CERCLA. The contaminant of concern at Building 513 is Chlordane, not Dieldrin.
- The pesticide mixing area at the golf course was sampled by both USEPA and the Air Force and the results indicate that there is no source of pesticide contamination in this area (Montgomery Watson Harza, 2002a).
- The engineering pesticide mixing area was also sampled and no source of contamination was identified, but the sampling results have not been documented.
- In the housing area, termiticide (Aldrin or Dieldrin) was applied before and after housing construction in an appropriate manner. The use of the chemical was not a CERCLA release. Because the Dieldrin or Aldrin was a legally applied pesticide, Dieldrin-contaminated soil in the housing area is, therefore, also not a solid waste subject to RCRA. Dieldrin (and its parent product, Aldrin) remain in high concentrations in surface and shallow subsurface soils and Dieldrin has migrated to ground water, where its presence violates the Lahontan Water Board's non-degradation objective and there are some exceedances of the California Department of Health Services (DHS) Action Level (AL). Dieldrin in ground water is being investigated as part of Operable Unit 4.

Based on the conceptual model for the occurrence of Dieldrin in soils and ground water, the source is the termiticide application in the housing area. The following discussion is focused on sources and the nature and extent of Dieldrin in soils in the housing area and in ground water beneath the AOC. Mitretek recommends that the housing area can be FOSTed and that a ground water management zone be established for long-term monitoring of the ground water.

### **Potential sources of pesticide contamination**

- Spills at the Entomology shop, golf course mixing area, and engineering mixing area
- Cross-contamination by well drilling or improperly sealed wells
- Solvent enhanced transport
- Faults as preferential migration pathways
- Routine application during building construction and subsequent reapplication every 3 to 5 years for termite control

The Conceptual Site Model (CSM) for the occurrence of Dieldrin in soils in the housing area is that the routine application of Dieldrin as termiticide before construction and periodically along building foundations, with subsequent landscape watering, has resulted in the transport of Dieldrin to ground water (approximately 100' below ground surface) and high concentrations of Dieldrin under existing foundations where the soil has not been disturbed, watered, or exposed to

ultraviolet light. The location of the Dieldrin was used as the basis for determining that it is reasonably present due to intentional use.

The other potential sources of pesticide contamination are not supported because

- Dieldrin is not a source of contamination at the mixing areas
- Dieldrin was present in the first sampling episode at each of the affected wells (therefore cross-contamination is unlikely because it takes time)
- No solvents or hydrocarbons were detected in the wells that detected Dieldrin
- No faults have been identified that could act as a pathway in the pesticide AOC
- High concentrations of Dieldrin were detected under and near building foundations
- Dieldrin occurs in low concentrations in ground water beneath the entire housing area.

The location of the Dieldrin in soils and in ground water indicates that it is present due to intentional use in the housing area. Repeated applications may have resulted in significant accumulations of pesticide that are not indicative of improper disposal.

#### **Nature and extent of pesticide contamination in soils**

- *Application* – High concentrations of pesticides have been found around military housing as a result of lawful application for termite control (USACOE, 2004). Chlordane was the most common pesticide used, but there appears to have been no specific guidance for what chemical was used at specific installations. Other long-lived termiticides that were used in military family housing areas include Aldrin, Dieldrin, and Heptachlor (Gebhart, 1982). No chemical-specific information about what was used at the former George Air Force Base is available from the Armed Forces Pest Management Board.
- *Sampling results* – The range of concentrations of Dieldrin detected in unpaved soil locations (45 samples) was below detection limits to 1210 µg/kg. Concentrations of Dieldrin under concrete housing foundations (5 samples) ranged between 1.9 µg/kg and 15000 µg/kg. Figure 1 shows the locations of these samples. Table 1 summarizes the analytical results for all organochlorine pesticides. Samples SS-35 through SS-39 were taken from beneath concrete building foundations. This sampling effort was not comprehensive.
- *Risk* – Dieldrin is a probable human carcinogen. Short-term exposure to high concentrations of Dieldrin can cause headaches, dizziness, loss of consciousness, nausea, and loss of appetite. Montgomery Watson Harza (2000b) performed a qualitative evaluation of the potential risk to soldiers training where pesticides are present in unpaved surface soil because the housing area has been used for urban warfare training. The nature of this training is such that surface soil dust that can be inhaled is stirred up by human, motorized vehicle, and helicopter activity and trainees crawl on the ground and can be exposed to the soil by dermal contact, inhalation, or ingestion. The occupational health hazard of the surface soil was evaluated. The primary route of exposure was inhalation and the additional exposure caused by crawling in the dirt was not assessed. Dieldrin concentration data from under the foundations were not used in this evaluation. It was determined that, if visible dust is controlled, the pesticide exposure via inhalation will be below a level of occupational health concern. This evaluation underestimates the risk to trainees because dermal exposure and ingestion are discounted. No human health risk assessment has been performed.
- *Affected acreage* – approximately 835 acres are potentially affected by Dieldrin that was applied as termiticide



- *FOST* – will require:
  - A deed notification that dermal contact, ingestion, and inhalation of contaminated soils should be minimized
  - A Health and Safety Plan for any intrusive activities
  - Handling any investigation-derived waste as hazardous under RCRA
  - Notification that cut and fill activities or building foundation removal may expose potentially contaminated soils that must be managed as hazardous under RCRA

Notification of Hazardous Substance Activity is not needed because legally applied Dieldrin is not a release or disposal for the purposes of the CERCLA 120 (h) notification.

#### **Nature and extent of pesticide contamination in ground water**

- *Fate and transport* – Dieldrin is a chlorinated hydrocarbon pesticide that is relatively insoluble in water. It binds strongly to soils and is considered to be relatively immobile. It degrades in the presence of ultraviolet radiation. Dieldrin appears to have migrated to ground water at the former George Air Force Base as a result of intensive landscape watering when the base was active. Research at the University of Connecticut Environmental Research Institute (ERI) on the leaching characteristics of Dieldrin in soils indicates that most of the Dieldrin can be expected to remain in shallow soils with only a small fraction migrating to ground water (Dahmani, 2003). ERI found that Dieldrin binds strongly to soils but that trace amounts migrate from the sorbed phase to the liquid phase (i.e., when lawns are watered). These trace amounts are sufficient to exceed the ground water protection criterion of 0.002 µg/L in spite of significant retardation (resorption to deeper soils). Numerous pore volumes of water are necessary to transport the Dieldrin – this could have been provided by years of overwatering.  
Currently, the golf course pond between the northern housing area and the golf course appears to be leaking, creating a 30 foot mound (Figure 2) at the ground water surface in the Upper Aquifer. This mound provides a driving head differential that appears to be causing migration of the Dieldrin plume into the Lower Aquifer. In this area, flow in the Lower Aquifer is towards the City of Adelanto water supply wells.
- *Sampling results for wells in upper and lower aquifers* – Concentrations of Dieldrin in ground water range between 0.0063 µg/L and 0.15 µg/L. Table 2 summarizes the analytical results for organochlorine pesticides in ground water. The presence of Dieldrin in ground water violates the non-degradation objective of the Water Quality Control Plan for the Lahontan Region and there are exceedances of the DHS AL for Dieldrin, which is 0.002 µg/L. The AL is a water quality objective only.
- *Risk* – There appears to be some potential risk to the City of Adelanto water supply wells. The Dieldrin plume currently has not migrated beyond the former base boundary.
- *Remedy* – The pond leak should be fixed to eliminate the head potential driving Dieldrin in ground water toward the Adelanto water supply wells. The remediation of Dieldrin in ground water is impractical. Long-term monitoring should be instituted in order to protect those water supply wells.

#### **Conclusions**

- Dieldrin in surface soils may present a health risk to users of the housing area

- The Dieldrin is not a CERCLA release or RCRA waste.
- No cleanup action is required under CERCLA or RCRA for Dieldrin used for its intended purpose.
- Dieldrin in ground water violates Water Board objectives and the DHS AL and may present a risk to a public water supply if leakage from the golf course pond continues.

#### **Recommendations**

- FOST the housing area with restrictions and notification, recognizing the potential for high materials handling costs for the redeveloper.
- Ensure that the City of Victorville (golf course lessee) eliminates leakage from the golf course pond. Mitretek recommends a "plastic" liner rather than clay because of the potential for leaks in a clay liner caused by the growth of cattails and reeds – this appears to be the cause of the current pond leakage.
- Install three more upgradient wells to define the plume and two more downgradient wells as long term "sentry" wells.
- Perform calculations using the highest concentration detections to determine whether the Dieldrin will reach the Adelanto wells even if the golf course pond leakage is eliminated – this information will be used to support a decision document.
- Develop a decision document establishing a ground water containment zone with long-term monitoring.

#### **Figures**

Figure 1. Map showing soil sampling locations in the pesticide AOC

Figure 2. Map showing ground water elevation contours in the upper aquifer in the pesticide AOC

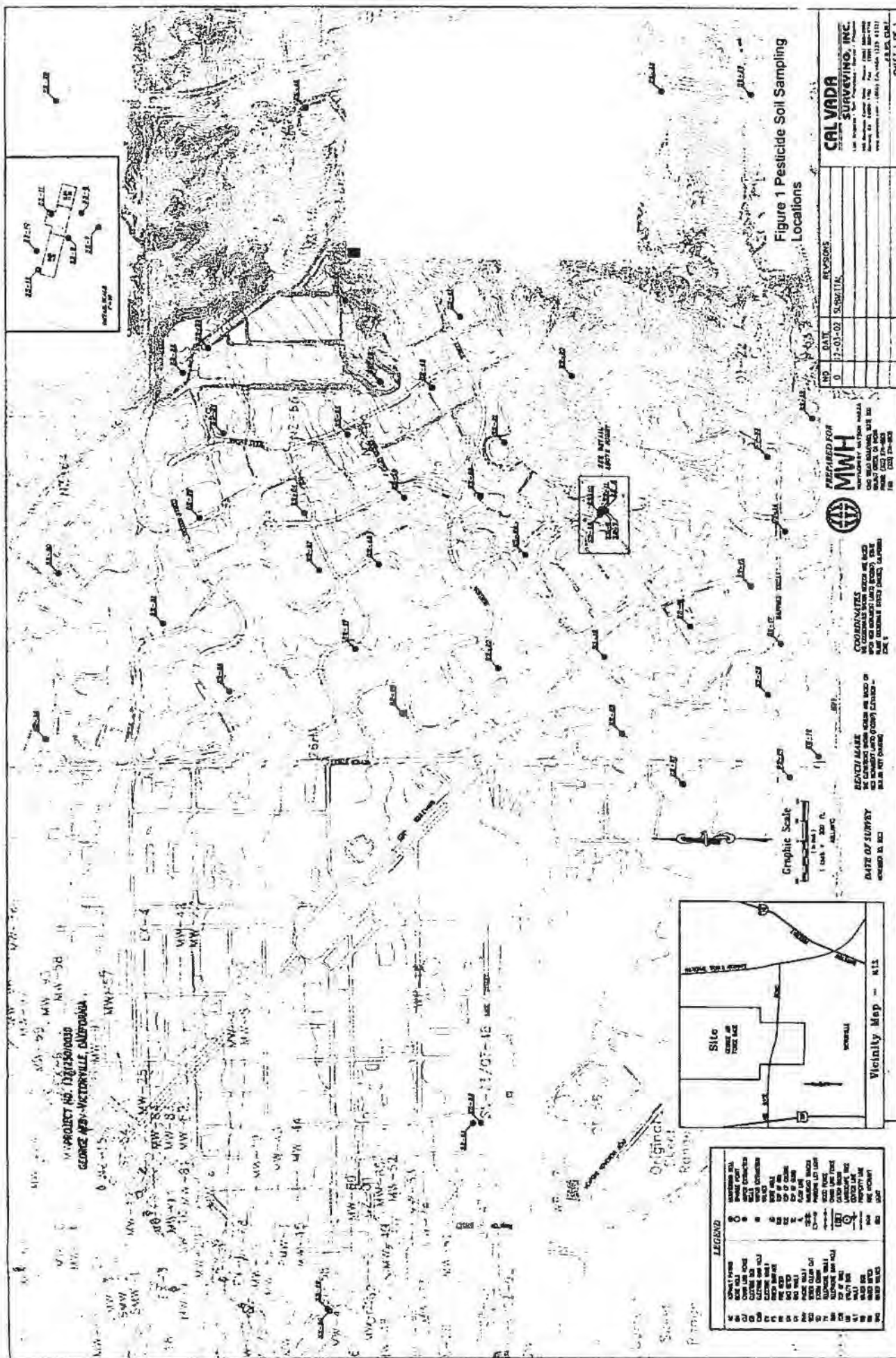
#### **Tables**

Table 1. Soil sample analytical results for organochlorine pesticides

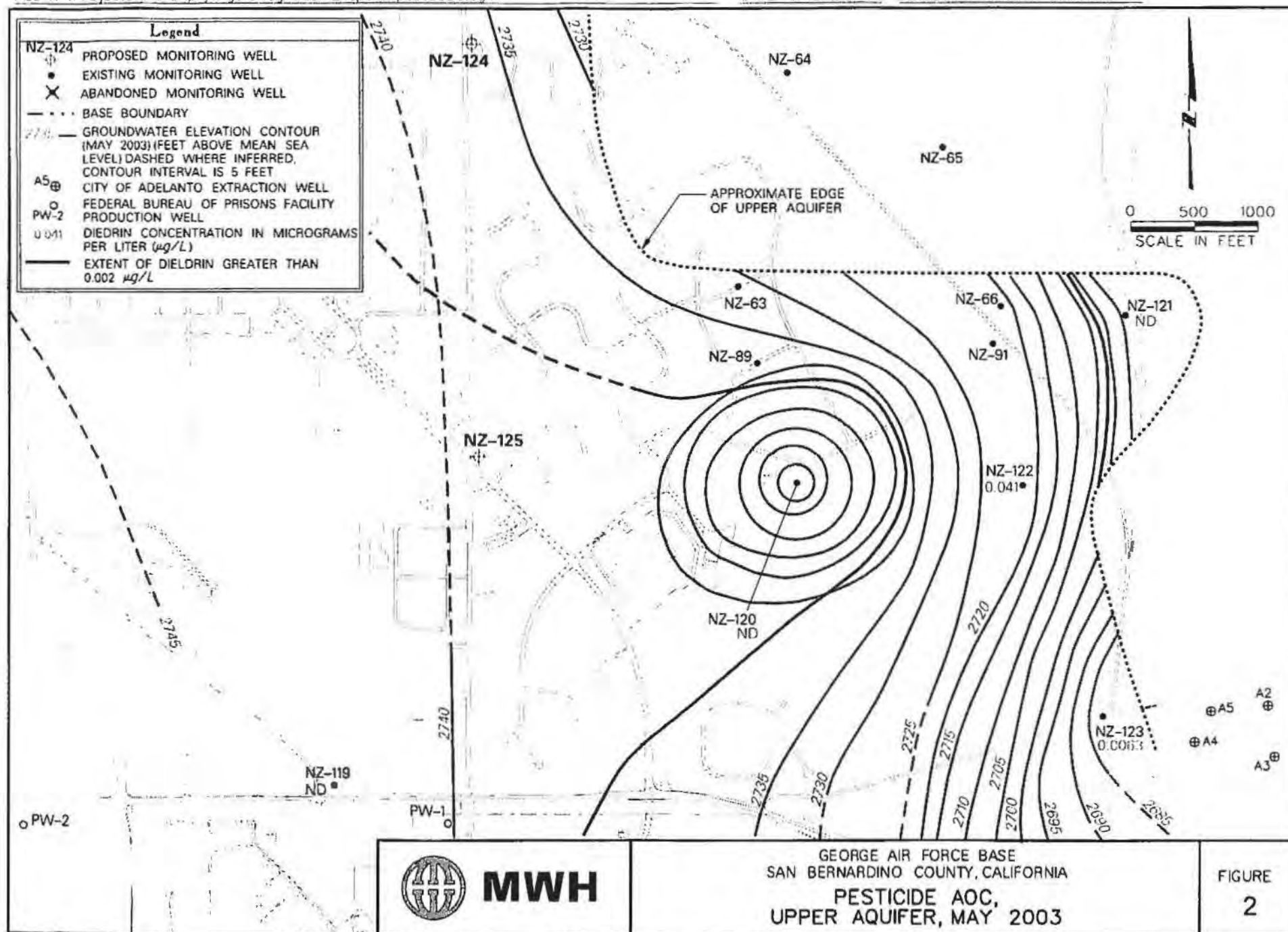
Table 2. Ground water sample analytical results for organochlorine pesticides

#### **References**

- Dahmani, Amine, 2003, *personal communication with Susan Soloyanis, Mitretek Systems*
- Gebhart, W.A. (Naval Facilities Engineering Command), 1982, *Status of Studies on Termiticides in Military Family Housing*, Workshop on Termiticides in Building Protection September 22-23, 1982.
- Montgomery Watson Harza, 2002a, *Final Groundwater Pesticide Investigation Report*
- Montgomery Watson Harza, 2002b, *memo about potential occupational health risks to soldiers training where pesticides are present in unpaved surface soil*
- Montgomery Watson Harza, 2004, *2003 Basewide Ground Water Monitoring Report*
- USACOE, 2004, *Guidance for Addressing Chlordane Contamination at Department of Defense Sites*. Public Works Technical Bulletin 200-1-31







**ORGANOCHLORINE PESTICIDES IN SOIL**  
**PHASE II PESTICIDE INVESTIGATION**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
(Page 1 of 5)

			Collection Date: 11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002	11/18/2002	
			Field Sample ID:	SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16
			Location ID:	SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16
			Sample Depth (ft. bgs):	0.5 - 1	0.5 - 1	0.5 - 1	0.5 - 1	0.3 - 0.8	0.5 - 1	0.5 - 1	0.5 - 1	0.5 - 1	0.3 - 0.8
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Compound	Units	Action Level											
Aldrin	µg/kg	29	< 1.7	< 1.8	< 1.7	< 1.8	< 1.7	< 1.8	23.7	< 1.8	< 1.7	< 1.7	
beta-BHC	µg/kg	320	< 1.7	< 1.8	< 1.7	< 1.8	< 1.7	< 1.8	< 8.6	< 1.8	< 1.7	< 1.7	
alpha-BHC	µg/kg	90	< 1.7	< 1.8	< 1.7	< 1.8	< 1.7	< 1.8	< 8.6	< 1.8	< 1.7	< 1.7	
delta-BHC	µg/kg	NA	< 1.7	< 1.8	< 1.7	< 1.8	< 1.7	< 1.8	< 8.6	< 1.8	< 1.7	< 1.7	
gamma-BHC (Lindane)	µg/kg	440	< 1.7	< 1.8	< 1.7	< 1.8	< 1.7	< 1.8	< 8.6	< 1.8	< 1.7	< 1.7	
alpha-Chlordane	µg/kg	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.7 F	< 1.0	< 1.0	< 1.0	
gamma-Chlordane	µg/kg	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.9	< 1.0	1.6	< 1.0	
Chlordane	µg/kg	1600	< 51	< 52	< 50	< 52	< 51	< 52	< 250	< 52	< 50	< 50	
p,p'-DDD	µg/kg	2400	< 3.1	< 3.1	< 3.0	< 3.1	< 3.1	< 3.1	< 15	< 3.1	< 3.0	< 3.0	
p,p'-DDE	µg/kg	1700	< 3.1	< 3.1	< 3.0	< 3.1	< 3.1	< 3.1	< 15	< 3.1	< 3.0	1.0 F	
p,p'-DDT	µg/kg	1700	< 3.1	0.093 F	0.68 F	< 3.1	< 3.1	< 3.1	< 15	< 3.1	< 3.0	< 3.0	
Dieldrin	µg/kg	30	< 3.1	< 3.1	< 3.0	< 3.1	< 3.1	< 3.1	216	0.12 F	< 3.0	77.1	
Alpha endosulfan	µg/kg	370000	< 1.7	< 1.8	< 1.7	< 1.8	< 1.7	< 1.8	< 8.6	< 1.8	< 1.7	< 1.7	
Beta endosulfan	µg/kg		< 3.1	< 3.1	< 3.0	< 3.1	< 3.1	< 3.1	< 15	< 3.1	1.6 F	< 3.0	
Endosulfan sulfate	µg/kg	NA	< 5.1	< 5.2	< 5.0	< 5.2	< 5.1	< 5.2	< 25	< 5.2	< 5.0	< 5.0	
Endrin	µg/kg	18000	< 3.1	< 3.1	< 3.0	< 3.1	< 3.1	< 3.1	< 15	< 3.1	< 3.0	< 3.0	
Endrin aldehyde	µg/kg	NA	< 3.1	< 3.1	< 3.0	< 3.1	< 3.1	< 3.1	< 15	< 3.1	< 3.0	< 3.0	
Heptachlor	µg/kg	110	< 1.7	< 1.8	< 1.7	< 1.8	< 1.7	< 1.8	< 8.6	< 1.8	< 1.7	< 1.7	
Heptachlor epoxide	µg/kg	53	< 1.7	< 1.8	< 1.7	< 1.8	< 1.7	< 1.8	< 8.6	0.18 F	< 1.7	0.33 F	
Methoxychlor	µg/kg	31	< 10	< 10	< 10	< 10	< 10	< 10	< 51	< 10	< 10	< 10	
Toxaphene	µg/kg	440	< 100	< 100	< 100	< 100	< 100	< 100	< 510	< 100	< 100	< 100	

F - Detected concentration is less than practical quantitation limit and greater than method detection limit.

ft. bgs - feet below ground surface

ID - identification

µg/kg - micrograms per liter

NA - not applicable

< x - the compound was not detected at a concentration greater than or equal to the practical quantitation limit (x)

Table 1, Pesticide Soil  
Results (Page 1 of 5)

**ORGANOCHLORINE PESTICIDES IN SOIL**  
**PHASE II PESTICIDE INVESTIGATION**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
(Page 2 of 5)

			Collection Date:	11/18/2002	11/18/2002	11/18/2002	11/19/2002	11/19/2002	11/19/2002	11/19/2002	11/19/2002	11/19/2002	11/19/2002
			Field Sample ID:	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	SS-24	SS-25	SS-26
			Location ID:	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22	SS-23	SS-24	SS-25	SS-26
			Sample Depth (ft. bgs):	0.5 - 1	0.5 - 1	0.5 - 1	0.3 - 0.8	0 - 0.5	0.3 - 0.8	0.5 - 1	0.5 - 1	0.5 - 1	0.5 - 1
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Compound	Units	Action Level											
Aldrin	µg/kg	29	< 1.7	< 1.8	< 1.8	< 2.0	< 2.8	< 1.8	16.2	< 1.8	< 17	4.1 F	
beta-BHC	µg/kg	320	< 1.7	< 1.8	< 1.8	< 2.0	< 2.8	< 1.8	< 35	< 1.8	< 17	< 17	
alpha-BHC	µg/kg	90	< 1.7	< 1.8	< 1.8	< 2.0	< 2.8	< 1.8	< 35	< 1.8	< 17	< 17	
delta-BHC	µg/kg	NA	< 1.7	< 1.8	< 1.8	< 2.0	< 2.8	< 1.8	< 35	< 1.8	< 17	< 17	
gamma-BHC (Lindane)	µg/kg	440	< 1.7	< 1.8	< 1.8	< 2.0	< 2.8	< 1.8	< 35	< 1.8	< 17	< 17	
alpha-Chlordane	µg/kg	NA	< 1.0	< 1.1	< 1.1	< 1.2	< 1.7	< 1.0	10.2	< 1.0	14.3	< 10	
gamma-Chlordane	µg/kg	NA	< 1.0	< 1.1	< 1.1	< 1.2	< 1.7	< 1.0	15.4 F	< 1.0	10.5	< 10	
Chlordane	µg/kg	1600	< 51	< 54	< 53	< 60	< 84	< 52	< 1000	< 52	297 F	< 510	
p,p'-DDD	µg/kg	2400	< 3.0	< 3.2	< 3.2	< 3.6	< 5.0	< 3.1	< 61	< 3.1	< 31	< 31	
p,p'-DDE	µg/kg	1700	1.4 F	< 3.2	< 3.2	< 3.6	< 5.0	< 3.1	< 61	< 3.1	17.8 F	2.0 F	
p,p'-DDT	µg/kg	1700	1.1 F	< 3.2	< 3.2	< 3.6	< 5.0	< 3.1	< 61	< 3.1	18.1 F	17.9 F	
Dieldrin	µg/kg	30	< 3.0	< 3.2	< 3.2	< 3.6	< 5.0	< 3.1	1210	0.84 F	325	523	
Alpha endosulfan	µg/kg	370000	< 1.7	< 1.8	< 1.8	< 2.0	< 2.8	< 1.8	< 35	< 1.8	< 17	< 17	
Beta endosulfan	µg/kg		< 3.0	< 3.2	< 3.2	< 3.6	< 5.0	< 3.1	< 61	< 3.1	< 31	< 31	
Endosulfan sulfate	µg/kg		NA	< 5.1	< 5.4	< 5.3	< 6.0	< 8.4	< 5.2	< 100	< 5.2	< 51	< 51
Endrin	µg/kg	18000	< 3.0	< 3.2	< 3.2	< 3.6	< 5.0	< 3.1	6.7 F	< 3.1	< 31	< 31	
Endrin aldehyde	µg/kg	NA	< 3.0	< 3.2	< 3.2	< 3.6	< 5.0	< 3.1	< 61	< 3.1	< 31	< 31	
Heptachlor	µg/kg	110	< 1.7	< 1.8	< 1.8	< 2.0	< 2.8	< 1.8	< 35	< 1.8	< 17	< 17	
Heptachlor epoxide	µg/kg	53	< 1.7	< 1.8	< 1.8	< 2.0	< 2.8	< 1.8	< 35	< 1.8	< 17	< 17	
Methoxychlor	µg/kg	31	< 10	< 11	< 11	< 12	< 17	< 10	< 200	< 10	< 100	< 100	
Toxaphene	µg/kg	440	< 100	< 110	< 110	< 120	< 170	< 100	< 2000	< 100	< 1000	< 1000	

F - Detected concentration is less than practical quantitation li

ft. bgs - feet below ground surface

ID - identification

µg/kg - micrograms per liter

NA - not applicable

< x - the compound was not detected at a concentration greater

**ORGANOCHLORINE PESTICIDES IN SOIL**  
**PHASE II PESTICIDE INVESTIGATION**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
(Page 3 of 5)

			Collection Date: 11/19/2002	11/19/2002	11/19/2002	11/19/2002	11/19/2002	11/19/2002	11/19/2002	11/19/2002	11/20/2002	11/20/2002	
			Field Sample ID:	SS-27	SS-28	SS-29	SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-36
			Location ID:	SS-27	SS-28	SS-29	SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-36
			Sample Depth (ft. bgs):	0.5 - 1	0.5 - 1	0.3 - 0.8	0.5 - 1	0.5 - 1	0.5 - 1	0.2 - 0.7	0.5 - 1	0.3 - 0.8	0.3 - 0.8
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Compound	Units	Action Level											
Aldrin	µg/kg	29	< 2.0	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 2.0	236	0.37 F
beta-BHC	µg/kg	320	< 2.0	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 2.0	< 1.8	< 1.8
alpha-BHC	µg/kg	90	< 2.0	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 2.0	< 1.8	< 1.8
delta-BHC	µg/kg	NA	< 2.0	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 2.0	< 1.8	< 1.8
gamma-BHC (Lindane)	µg/kg	440	< 2.0	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 2.0	< 1.8	< 1.8
alpha-Chlordane	µg/kg	NA	< 1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.2	< 1.0	< 1.1
gamma-Chlordane	µg/kg	NA	< 1.2	0.35 F	< 1.0	< 1.0	< 1.0	< 1.0	0.29 F	< 1.0	< 1.2	0.90 F	< 1.1
Chlordane	µg/kg	1600	< 58	< 51	< 50	< 51	< 51	< 51	< 51	< 52	< 59	< 52	< 53
p,p'-DDD	µg/kg	2400	< 3.5	< 3.1	< 3.0	< 3.1	< 3.1	< 3.1	< 3.0	< 3.1	< 3.5	< 3.1	< 3.2
p,p'-DDE	µg/kg	1700	0.11 F	0.15 F	< 3.0	< 3.1	< 3.1	< 3.1	0.17 F	< 3.1	< 3.5	< 3.1	< 3.2
p,p'-DDT	µg/kg	1700	< 3.5	0.21 F	< 3.0	0.24 F	< 3.1	< 3.1	0.19 F	< 3.1	< 3.5	< 3.1	< 3.2
Dieldrin	µg/kg	30	0.73 F	< 3.1	< 3.0	0.74 F	0.078 F	< 3.0	< 3.1	< 3.5	1710	1.9 F	
Alpha endosulfan	µg/kg	370000	< 2.0	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 2.0	< 1.8	< 1.8
Beta endosulfan	µg/kg		< 3.5	< 3.1	< 3.0	< 3.1	< 3.1	< 3.1	< 3.0	< 3.1	< 3.5	< 3.1	< 3.2
Endosulfan sulfate	µg/kg	NA	< 5.8	< 5.1	< 5.0	< 5.1	< 5.1	< 5.1	< 5.1	< 5.2	< 5.9	< 5.2	< 5.3
Endrin	µg/kg	18000	< 3.5	< 3.1	< 3.0	< 3.1	< 3.1	< 3.1	< 3.0	< 3.1	< 3.5	8	< 3.2
Endrin aldehyde	µg/kg	NA	< 3.5	< 3.1	< 3.0	< 3.1	< 3.1	< 3.1	< 3.0	< 3.1	< 3.5	0.68 F	< 3.2
Heptachlor	µg/kg	110	< 2.0	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 2.0	0.34 F	< 1.8
Heptachlor epoxide	µg/kg	53	< 2.0	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 2.0	< 1.8	< 1.8
Methoxychlor	µg/kg	31	< 12	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 12	< 10	< 11
Toxaphene	µg/kg	440	< 120	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 120	< 100	< 110

F - Detected concentration is less than practical quantitation li

ft. bgs - feet below ground surface

ID - identification

µg/kg - micrograms per liter

NA - not applicable

< x - the compound was not detected at a concentration greater



**ORGANOCHLORINE PESTICIDES IN SOIL**  
**PHASE II PESTICIDE INVESTIGATION**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
(Page 4 of 5)

			Collection Date: 11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/20/2002	11/21/2002	
			Field Sample ID:	SS-37	SS-38	SS-39	SS-40	SS-41	SS-42	SS-43	SS-44	SS-45	SS-46
			Location ID:	SS-37	SS-38	SS-39	SS-40	SS-41	SS-42	SS-43	SS-44	SS-45	SS-46
			Sample Depth (ft. bgs):	0.3 - 0.8	0.3 - 0.8	0.3 - 0.8	0.2 - 0.7	0.2 - 0.7	0.5 - 1	0.5 - 1	0 - 0.5	0 - 0.5	0.3 - 0.8
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Compound	Units	Action Level											
Aldrin	µg/kg	29	16700	5.8	163	0.66 F	< 3.5	9.9	1.5 F	8.0 F	< 1.8	< 1.7	
beta-BHC	µg/kg	320	< 1.7	< 1.8	< 1.8	< 1.8	< 3.5	< 1.7	< 1.7	< 18	< 1.8	< 1.7	
alpha-BHC	µg/kg	90	< 1.7	< 1.8	< 1.8	< 1.8	< 3.5	< 1.7	< 1.7	< 18	< 1.8	< 1.7	
delta-BHC	µg/kg	NA	< 1.7	< 1.8	< 1.8	< 1.8	5.4	< 1.7	< 1.7	< 18	< 1.8	< 1.7	
gamma-BHC (Lindane)	µg/kg	440	< 1.7	< 1.8	< 1.8	< 1.8	< 3.5	< 1.7	< 1.7	< 18	< 1.8	< 1.7	
alpha-Chlordane	µg/kg	NA	< 1.0	< 1.1	6.3	1	49.9	< 1.0	< 1.0	4.9 F	< 1.0	< 1.0	
gamma-Chlordane	µg/kg	NA	6.5	< 1.1	5.8	0.88 F	26.8	< 1.0	1.2	9.0 F	4	< 1.0	
Chlordane	µg/kg	1600	52.7	< 53	25.1 F	19.9 F	173	< 51	< 51	< 520	< 52	< 51	
p,p'-DDD	µg/kg	2400	< 3.1	< 3.2	< 3.2	4.9	< 6.1	< 3.0	< 3.0	< 31	< 3.1	< 3.1	
p,p'-DDE	µg/kg	1700	< 3.1	< 3.2	< 3.2	24.5	9.7	< 3.0	< 3.0	< 31	0.18 F	2.2 F	
p,p'-DDT	µg/kg	1700	< 3.1	< 3.2	< 3.2	20.5	31.4	< 3.0	< 3.0	< 31	< 3.1	1.5 F	
Dieldrin	µg/kg	30	15000	6.9	193	2.3 F	18.9	12	59.6	294	0.54 F	0.18 F	
Alpha endosulfan	µg/kg	370000	< 1.7	< 1.8	< 1.8	< 1.8	< 3.5	< 1.7	< 1.7	< 18	< 1.8	< 1.7	
Beta endosulfan	µg/kg		< 3.1	< 3.2	< 3.2	< 3.1	< 6.1	< 3.0	< 3.0	< 31	< 3.1	< 3.1	
Endosulfan sulfate	µg/kg	NA	3.8 F	< 5.3	< 5.4	< 5.2	< 10	< 5.1	< 5.1	< 52	< 5.2	< 5.1	
Endrin	µg/kg	18000	58	< 3.2	4.6	< 3.1	< 6.1	< 3.0	< 3.0	< 31	< 3.1	< 3.1	
Endrin aldehyde	µg/kg	NA	< 3.1	< 3.2	< 3.2	0.31 F	< 6.1	< 3.0	< 3.0	< 31	< 3.1	< 3.1	
Heptachlor	µg/kg	110	< 1.7	< 1.8	< 1.8	< 1.8	2.1 F	< 1.7	< 1.7	< 18	< 1.8	< 1.7	
Heptachlor epoxide	µg/kg	53	< 1.7	< 1.8	< 1.8	< 1.8	< 3.5	< 1.7	< 1.7	< 18	< 1.8	< 1.7	
Methoxychlor	µg/kg	31	< 10	< 11	< 11	< 10	< 20	< 10	< 10	< 100	< 10	< 10	
Toxaphene	µg/kg	440	< 100	< 110	< 110	< 100	< 200	< 100	< 100	< 1000	< 100	< 100	

F - Detected concentration is less than practical quantitation li

ft. bgs - feet below ground surface

ID - identification

µg/kg - micrograms per liter

NA - not applicable

< x - the compound was not detected at a concentration greater

**ORGANOCHLORINE PESTICIDES IN SOIL**  
**PHASE II PESTICIDE INVESTIGATION**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
(Page 5 of 5)

			Collection Date: 11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	11/21/2002	
			Field Sample ID:	SS-47	SS-48	SS-49	SS-50	SS-51	SS-52	SS-53	SS-54	SS-55	SS-56
			Location ID:	SS-47	SS-48	SS-49	SS-50	SS-51	SS-52	SS-53	SS-54	SS-55	SS-56
			Sample Depth (ft. bgs):	0.5 - 1	0.5 - 1	0.5 - 1	0.5 - 1	0.5 - 1	0.3 - 0.8	0.5 - 1	0.3 - 0.8	0.3 - 0.8	0 - 0.5
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Compound	Units	Action Level											
Aldrin	µg/kg	29	< 1.7	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	1.4 F	1.8
beta-BHC	µg/kg	320	< 1.7	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
alpha-BHC	µg/kg	90	< 1.7	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
delta-BHC	µg/kg	NA	< 1.7	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
gamma-BHC (Lindane)	µg/kg	440	< 1.7	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	1.6 F
alpha-Chlordane	µg/kg	NA	0.43 F	4.6	2.7	8.7	4660	7.6	34	< 1.0	< 1.0	< 1.0	1.1
gamma-Chlordane	µg/kg	NA	0.26 F	1.7	3.2	10.7	5330	10.1	18.9	< 1.0	< 1.0	< 1.0	0.53 F
Chlordane	µg/kg	1600	< 51	13.7 F	20.6 F	57.9	24100	58.1	101	< 51	< 51	< 51	< 51
p,p'-DDD	µg/kg	2400	0.41 F	< 3.1	< 3.1	1.3 F	< 3.1	2.0 F	< 3.1	< 3.0	< 3.0	< 3.0	1.6 F
p,p'-DDE	µg/kg	1700	1.0 F	< 3.1	< 3.1	2.0 F	< 3.1	2.0 F	5.1	0.50 F	< 3.0	< 3.0	4.3
p,p'-DDT	µg/kg	1700	1.6 F	< 3.1	< 3.1	9.1	< 3.1	7.8	9.4	< 3.0	< 3.0	< 3.0	2.9 F
Dieldrin	µg/kg	30	< 3.0	0.16 F	< 3.1	0.67 F	< 3.1	< 3.1	9.6	< 3.0	0.94 F	< 3.0	8.7
Alpha endosulfan	µg/kg	370000	< 1.7	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Beta endosulfan	µg/kg		< 3.0	< 3.1	< 3.1	< 3.2	< 3.1	< 3.1	< 3.1	< 3.0	< 3.0	< 3.0	< 3.0
Endosulfan sulfate	µg/kg	NA	< 5.1	< 5.1	< 5.2	< 5.3	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1
Endrin	µg/kg	18000	< 3.0	< 3.1	< 3.1	< 3.2	< 3.1	< 3.1	< 3.1	< 3.0	< 3.0	< 3.0	< 3.0
Endrin aldehyde	µg/kg	NA	< 3.0	< 3.1	< 3.1	< 3.2	< 3.1	< 3.1	< 3.1	< 3.0	< 3.0	< 3.0	< 3.0
Heptachlor	µg/kg	110	0.12 F	< 1.7	< 1.8	0.47 F	< 1.7	0.83 F	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
Heptachlor epoxide	µg/kg	53	< 1.7	1.6 F	< 1.8	< 1.8	< 1.7	< 1.7	2	< 1.7	< 1.7	< 1.7	< 1.7
Methoxychlor	µg/kg	31	< 10	< 10	< 10	< 11	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Toxaphene	µg/kg	440	< 100	< 100	< 100	< 110	< 100	< 100	< 100	< 100	< 100	< 100	< 100

F - Detected concentration is less than practical quantitation l;

ft. bgs - feet below ground surface

ID - identification

µg/kg - micrograms per liter

NA - not applicable

< x - the compound was not detected at a concentration greater

TABLE 3-6

**CURRENT AND HISTORICAL GROUNDWATER OCP DATA FOR PESTICIDE AREA OF CONCERN THROUGH OCTOBER 2003**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
 (page 1 of 12)

Parameter	Units	MCL	Well ID: MW-49	NZ-59				NZ-61			NZ-62
			1/8/2001 Result	3/19/1994 Result	4/18/1994 Result	7/20/1994 Result	3/20/1994 Result	4/18/1994 Result	7/22/1994 Result	7/21/1994 Result	
Aldrin	µg/L	0.002	NA	< 0.025 J	< 0.025	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J
Alpha endosulfan	µg/L	NS	NA	< 0.05 J	< 0.05	< 0.05 J	< 0.05 J	< 0.05 J	< 0.05 J	< 0.05 J	< 0.05 J
alpha-BHC	µg/L	0.015	NA	< 0.013 J	< 0.013	< 0.013 J	< 0.013 J	< 0.013 J	< 0.013 J	< 0.013 J	< 0.013 J
alpha-Chlordane	µg/L	NS	NA	< 0.14 J	< 0.14	< 0.14 J	< 0.14 J	< 0.14 J	< 0.14 J	< 0.14 J	< 0.14 J
Beta endosulfan	µg/L	110	NA	< 0.05 J	< 0.04	< 0.04 J	< 0.05 J	< 0.04 J	< 0.04 J	< 0.04 J	< 0.04 J
beta-BHC	µg/L	0.025	NA	< 0.05 J	< 0.05	< 0.05 J	< 0.05 J	< 0.05 J	< 0.05 J	< 0.05 J	< 0.05 J
Chlordane	µg/L	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	µg/L	NS	NA	< 0.05 J	< 0.05	< 0.05 J	< 0.05 J	< 0.05 J	< 0.05 J	< 0.05 J	< 0.05 J
Dieldrin	µg/L	0.002	< 0.1	< 0.025 J	< 0.025	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J
Endosulfan sulfate	µg/L	110	NA	< 0.1 J	< 0.1	< 0.1 J	< 0.1 J	< 0.1 J	< 0.1 J	< 0.1 J	< 0.1 J
Endrin	µg/L	2	NA	< 0.025 J	< 0.025	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J
Endrin aldehyde	µg/L	NS	NA	< 0.1 J	< 0.1	< 0.1 J	< 0.1 J	< 0.1 J	< 0.1 J	< 0.1 J	< 0.1 J
gamma-BHC (Lindane)	µg/L	0.2	NA	< 0.013 J	< 0.013	< 0.013 J	< 0.013 J	< 0.013 J	< 0.013 J	< 0.013 J	< 0.013 J
gamma-Chlordane	µg/L	NS	NA	< 0.14 J	< 0.14	< 0.14 J	< 0.14 J	< 0.14 J	< 0.14 J	< 0.14 J	< 0.14 J
Heptachlor	µg/L	0.01	NA	< 0.025 J	< 0.025	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J
Heptachlor epoxide	µg/L	0.01	NA	< 0.05 J	< 0.05	< 0.05 J	< 0.05 J	< 0.05 J	< 0.05 J	< 0.05 J	< 0.05 J
Methoxychlor	µg/L	40	NA	< 0.5 J	< 0.5	< 0.5 J	< 0.5 J	< 0.5 J	< 0.5 J	< 0.5 J	< 0.5 J
p,p'-DDD	µg/L	NS	NA	< 0.1 J	< 0.1	< 0.1 J	< 0.1 J	< 0.1 J	< 0.1 J	< 0.1 J	< 0.1 J
p,p'-DDE	µg/L	0.1	NA	< 0.025 J	< 0.025	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J	< 0.025 J
p,p'-DDT	µg/L	0.1	NA	< 0.1 J	< 0.1	< 0.1 J	< 0.1 J	< 0.1 J	< 0.1 J	< 0.1 J	< 0.1 J
Toxaphene	µg/L	3	NA	< 1 J	< 1	< 1 J	< 1 J	< 1 J	< 1 J	< 1 J	< 1 J

Table 2, Pesticide GW  
Results (Page 1 of 12)

See page 12 of 12 for notes and definitions.

TABLE 3-6

**CURRENT AND HISTORICAL GROUNDWATER OCP DATA FOR PESTICIDE AREA OF CONCERN THROUGH OCTOBER 2003**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
 (page 2 of 12)

Well ID:			NZ-63						
Parameter	Units	MCL	7/20/1994 Result	10/26/1996 Result	10/26/1997 Result	11/3/1998 Result	11/17/1999 Result	4/19/2000 Result	10/19/2000 Result
Aldrin	µg/L	0.002	< 0.025 J	< 0.04	< 0.04	< 0.34	< 0.34	NA	NA
Alpha endosulfan	µg/L	NS	< 0.05 J	< 0.14	< 0.14	< 0.3	< 0.3	NA	NA
alpha-BHC	µg/L	0.015	< 0.013 J	< 0.03	< 0.03	< 0.35	< 0.35	NA	NA
alpha-Chlordane	µg/L	NS	< 0.14 J	< 0.14	< 0.14	< 0.8	< 0.8	NA	NA
Beta endosulfan	µg/L	110	< 0.04 J	< 0.04	< 0.04	< 0.4	< 0.4	NA	NA
beta-BHC	µg/L	0.025	< 0.05 J	< 0.06	< 0.06	< 0.23	< 0.23	NA	NA
Chlordane	µg/L	0.1	NA	NA	NA	NA	NA	NA	NA
delta-BHC	µg/L	NS	< 0.05 J	< 0.09	< 0.09	< 0.24	< 0.24	NA	NA
Dieldrin	µg/L	0.002	0.13 J	0.15 / 0.16	0.062	0.09 F	0.068 F	0.068 F	0.0640 F / 0.0840 F
Endosulfan sulfate	µg/L	110	< 0.1 J	< 0.66	< 0.66	< 0.35	< 0.35	NA	NA
Endrin	µg/L	2	< 0.025 J	< 0.06	< 0.06	< 0.39	< 0.39	NA	NA
Endrin aldehyde	µg/L	NS	< 0.1 J	< 0.23	< 0.23	< 0.5	< 0.5	NA	NA
gamma-BHC (Lindane)	µg/L	0.2	< 0.013 J	< 0.04	< 0.04	< 0.25	< 0.25	NA	NA
gamma-Chlordane	µg/L	NS	< 0.14 J	< 0.14	< 0.14	< 0.37	< 0.37	NA	NA
Heptachlor	µg/L	0.01	< 0.025 J	< 0.03	< 0.03	< 0.4	< 0.4	NA	NA
Heptachlor epoxide	µg/L	0.01	< 0.05 J	< 0.83	< 0.83	< 0.32	< 0.32	NA	NA
Methoxychlor	µg/L	40	< 0.5 J	< 1.8	< 1.8	< 0.86	< 0.86	NA	NA
p,p'-DDD	µg/L	NS	< 0.1 J	< 0.11	< 0.11	< 0.5	< 0.5	NA	NA
p,p'-DDE	µg/L	0.1	< 0.025 J	< 0.04	< 0.04	< 0.58	< 0.58	NA	NA
p,p'-DDT	µg/L	0.1	< 0.1 J	< 0.12	< 0.12	< 0.81	< 0.81	NA	NA
Toxaphene	µg/L	3	< 1 J	< 2.4	< 2.4	< 0.5 R	< 5	NA	NA



TABLE 3-6

**CURRENT AND HISTORICAL GROUNDWATER OCP DATA FOR PESTICIDE AREA OF CONCERN THROUGH OCTOBER 2003**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
 (page 3 of 12)

Well ID:			NZ-63 (continued)							
Parameter	Units	MCL	1/9/2001	5/2/2001	11/1/2001	5/1/2002			10/22/2002	10/22/2002 *
			Result	Result	Result	Result	MDL	RL	Result	Result
Aldrin	µg/L	0.002	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
Alpha endosulfan	µg/L	NS	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
alpha-BHC	µg/L	0.015	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
alpha-Chlordane	µg/L	NS	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
Beta endosulfan	µg/L	110	NA	NA	NA	NA	NA	NA	< 0.0096 M	< 0.0096 M
beta-BHC	µg/L	0.025	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
Chlordane	µg/L	0.1	NA	NA	NA	NA	NA	NA	< 0.096	< 0.096
delta-BHC	µg/L	NS	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
Dieldrin	µg/L	0.002	0.090 F / 0.087 F	0.06	0.07	0.06 / < 0.048	0.0001	0.048	0.052	< 0.0096
Endosulfan sulfate	µg/L	110	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
Endrin	µg/L	2	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
Endrin aldehyde	µg/L	NS	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
gamma-BHC (Lindane)	µg/L	0.2	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
gamma-Chlordane	µg/L	NS	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
Heptachlor	µg/L	0.01	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
Heptachlor epoxide	µg/L	0.01	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
Methoxychlor	µg/L	40	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
p,p'-DDD	µg/L	NS	NA	NA	NA	NA	NA	NA	0.0017 F	< 0.0096
p,p'-DDE	µg/L	0.1	NA	NA	NA	NA	NA	NA	0.0013 F	0.0023 F
p,p'-DDT	µg/L	0.1	NA	NA	NA	NA	NA	NA	< 0.0096	< 0.0096
Toxaphene	µg/L	3	NA	NA	NA	NA	NA	NA	< 0.48	< 0.48

TABLE 3-6

**CURRENT AND HISTORICAL GROUNDWATER OCP DATA FOR PESTICIDE AREA OF CONCERN THROUGH OCTOBER 2003**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
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Well ID:			NZ-64								
Parameter	Units	MCL	7/22/1994 Result	9/14/1995 Result	10/26/1996 Result	10/18/1997 Result	11/6/1998 Result	11/10/1999 Result	4/19/2000 Result	10/19/2000 Result	5/2/2001 Result
Aldrin	µg/L	0.002	< 0.025 J	< 0.025 J	< 0.04	< 0.04	< 0.34	< 0.34	NA	NA	NA
Alpha endosulfan	µg/L	NS	< 0.05 J	< 0.05 J	< 0.14	< 0.14	< 0.3	< 0.3	NA	NA	NA
alpha-BHC	µg/L	0.015	< 0.013 J	< 0.013 J	< 0.03	< 0.03	< 0.35	< 0.35	NA	NA	NA
alpha-Chlordane	µg/L	NS	< 0.14 J	< 0.14 J	< 0.14	< 0.14	< 0.8	< 0.8	NA	NA	NA
Beta endosulfan	µg/L	110	< 0.04 J	< 0.04 J	< 0.04	< 0.04	< 0.4	< 0.4	NA	NA	NA
beta-BHC	µg/L	0.025	< 0.05 J	< 0.05 J	< 0.06	< 0.06	< 0.23	< 0.23	NA	NA	NA
Chlordane	µg/L	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	µg/L	NS	< 0.05 J	< 0.05 J	< 0.09	< 0.09	< 0.24	< 0.24	NA	NA	NA
Dieldrin	µg/L	0.002	< 0.025 J	< 0.025 J	< 0.02	< 0.02	< 0.44	< 0.44	< 0.44	< 0.44	< 0.05
Endosulfan sulfate	µg/L	110	< 0.1 J	< 0.1 J	< 0.66	< 0.66	< 0.35	< 0.35	NA	NA	NA
Endrin	µg/L	2	< 0.025 J	< 0.025 J	< 0.06	< 0.06	< 0.39	< 0.39	NA	NA	NA
Endrin aldehyde	µg/L	NS	< 0.1 J	< 0.1 J	< 0.23	< 0.23	< 0.5	< 0.5	NA	NA	NA
gamma-BHC (Lindane)	µg/L	0.2	< 0.013 J	< 0.013 J	< 0.04	< 0.04	< 0.25	< 0.25	NA	NA	NA
gamma-Chlordane	µg/L	NS	< 0.14 J	< 0.14 J	< 0.14	< 0.14	< 0.37	< 0.37	NA	NA	NA
Heptachlor	µg/L	0.01	< 0.025 J	< 0.025 J	< 0.03	< 0.03	< 0.4	< 0.4	NA	NA	NA
Heptachlor epoxide	µg/L	0.01	< 0.05 J	< 0.05 J	< 0.83	< 0.83	< 0.32	< 0.32	NA	NA	NA
Methoxychlor	µg/L	40	< 0.5 J	< 0.5 J	< 1.8	< 1.8	< 0.86	< 0.86	NA	NA	NA
p,p'-DDD	µg/L	NS	< 0.1 J	< 0.1 J	< 0.11	< 0.11	< 0.5	< 0.5	NA	NA	NA
p,p'-DDE	µg/L	0.1	< 0.025 J	< 0.025 J	< 0.04	< 0.04	< 0.58	< 0.58	NA	NA	NA
p,p'-DDT	µg/L	0.1	< 0.1 J	< 0.1 J	< 0.12	< 0.12	< 0.81	< 0.81	NA	NA	NA
Toxaphene	µg/L	3	< 1 J	< 1 J	< 2.4	< 2.4	< 0.5 R	< 5	NA	NA	NA

TABLE 3-6

**CURRENT AND HISTORICAL GROUNDWATER OCP DATA FOR PESTICIDE AREA OF CONCERN THROUGH OCTOBER 2003**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
 (page 5 of 12)

Well ID:			NZ-64 (continued)				NZ-65				
Parameter	Units	MCL	11/1/2001	5/2/2002			7/22/1994	11/17/1999	4/19/2000	10/19/2000	5/2/2001
			Result	Result	MDL	RL	Result	Result	Result	Result	Result
Aldrin	µg/L	0.002	NA	NA	NA	NA	< 0.025 J	< 0.34	NA	NA	NA
Alpha endosulfan	µg/L	NS	NA	NA	NA	NA	< 0.05 J	< 0.3	NA	NA	NA
alpha-BHC	µg/L	0.015	NA	NA	NA	NA	< 0.013 J	< 0.35	NA	NA	NA
alpha-Chlordane	µg/L	NS	NA	NA	NA	NA	< 0.14 J	< 0.8	NA	NA	NA
Beta endosulfan	µg/L	110	NA	NA	NA	NA	< 0.04 J	< 0.4	NA	NA	NA
beta-BHC	µg/L	0.025	NA	NA	NA	NA	< 0.05 J	< 0.23	NA	NA	NA
Chlordane	µg/L	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	µg/L	NS	NA	NA	NA	NA	< 0.05 J	< 0.24	NA	NA	NA
Dieldrin	µg/L	0.002	< 0.05	< 0.05	0.0001	0.05	< 0.025 J	< 0.44	< 0.44	< 0.44	< 0.05
Endosulfan sulfate	µg/L	110	NA	NA	NA	NA	< 0.1 J	< 0.35	NA	NA	NA
Endrin	µg/L	2	NA	NA	NA	NA	< 0.025 J	< 0.39	NA	NA	NA
Endrin aldehyde	µg/L	NS	NA	NA	NA	NA	< 0.1 J	< 0.5	NA	NA	NA
gamma-BHC (Lindane)	µg/L	0.2	NA	NA	NA	NA	< 0.013 J	< 0.25	NA	NA	NA
gamma-Chlordane	µg/L	NS	NA	NA	NA	NA	< 0.14 J	< 0.37	NA	NA	NA
Heptachlor	µg/L	0.01	NA	NA	NA	NA	< 0.025 J	0.019	NA	NA	NA
Heptachlor epoxide	µg/L	0.01	NA	NA	NA	NA	< 0.05 J	< 0.32	NA	NA	NA
Methoxychlor	µg/L	40	NA	NA	NA	NA	< 0.5 J	< 0.86	NA	NA	NA
p,p'-DDD	µg/L	NS	NA	NA	NA	NA	< 0.1 J	< 0.5	NA	NA	NA
p,p'-DDE	µg/L	0.1	NA	NA	NA	NA	< 0.025 J	< 0.58	NA	NA	NA
p,p'-DDT	µg/L	0.1	NA	NA	NA	NA	< 0.1 J	< 0.81	NA	NA	NA
Toxaphene	µg/L	3	NA	NA	NA	NA	< 1 J	< 5	NA	NA	NA

See page 12 of 12 for notes and definitions.

TABLE 3-6

**CURRENT AND HISTORICAL GROUNDWATER OCP DATA FOR PESTICIDE AREA OF CONCERN THROUGH OCTOBER 2003**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
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		Well ID:	NZ-65 (continued)				NZ-66		
Parameter	Units	MCL	11/1/2001	5/1/2002		RL	7/22/1994	9/9/1995	1/22/1996
			Result	Result	MDL		Result	Result	Result
Aldrin	µg/L	0.002	NA	NA	NA	NA	< 0.025 J	< 0.025 J	< 0.025 J
Alpha endosulfan	µg/L	NS	NA	NA	NA	NA	< 0.05 J	< 0.05 J	< 0.05 J
alpha-BHC	µg/L	0.015	NA	NA	NA	NA	< 0.013 J	< 0.013 J	< 0.013 J
alpha-Chlordane	µg/L	NS	NA	NA	NA	NA	< 0.14 J	< 0.14 J	< 0.14 J
Beta endosulfan	µg/L	110	NA	NA	NA	NA	< 0.04 J	< 0.05 J	< 0.05 J
beta-BHC	µg/L	0.025	NA	NA	NA	NA	< 0.05 J	< 0.05 J	< 0.05 J
Chlordane	µg/L	0.1	NA	NA	NA	NA	NA	NA	NA
delta-BHC	µg/L	NS	NA	NA	NA	NA	< 0.05 J	< 0.05 J	< 0.05 J
Dieldrin	µg/L	0.002	< 0.05	< 0.048	0.0001	0.048	0.15 J / 0.17 J	0.063 J / 0.058 J	0.071 J / 0.063 J
Endosulfan sulfate	µg/L	110	NA	NA	NA	NA	< 0.1 J	< 0.1 J	< 0.1 J
Endrin	µg/L	2	NA	NA	NA	NA	< 0.025 J	< 0.025 J	< 0.025 J
Endrin aldehyde	µg/L	NS	NA	NA	NA	NA	< 0.1 J	< 0.1 J	< 0.1 J
gamma-BHC (Lindane)	µg/L	0.2	NA	NA	NA	NA	< 0.013 J	< 0.013 J	< 0.013 J
gamma-Chlordane	µg/L	NS	NA	NA	NA	NA	< 0.14 J	< 0.14 J	< 0.14 J
Heptachlor	µg/L	0.01	NA	NA	NA	NA	< 0.025 J	< 0.025 J	< 0.025 J
Heptachlor epoxide	µg/L	0.01	NA	NA	NA	NA	< 0.05 J	< 0.05 J	< 0.05 J
Methoxychlor	µg/L	40	NA	NA	NA	NA	< 0.5 J	< 0.5 J	< 0.5 J
p,p'-DDD	µg/L	NS	NA	NA	NA	NA	< 0.1 J	< 0.1 J	< 0.1 J
p,p'-DDE	µg/L	0.1	NA	NA	NA	NA	< 0.025 J	< 0.025 J	< 0.025 J
p,p'-DDT	µg/L	0.1	NA	NA	NA	NA	< 0.1 J	< 0.1 J	< 0.1 J
Toxaphene	µg/L	3	NA	NA	NA	NA	< 1 J	< 1 J	< 1 J



TABLE 3-6

**CURRENT AND HISTORICAL GROUNDWATER OCP DATA FOR PESTICIDE AREA OF CONCERN THROUGH OCTOBER 2003**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
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Well ID:			NZ-66 (continued)							
Parameter	Units	MCL	10/26/1996 Result	10/18/1997 Result	11/3/1998 Result	11/17/1999 Result	4/19/2000 Result	10/19/2000 Result	1/9/2001 Result	5/2/2001 Result
Aldrin	µg/L	0.002	< 0.04 J	< 0.04	< 0.34	< 0.34	NA	NA	NA	NA
Alpha endosulfan	µg/L	NS	< 0.14 J	< 0.14	< 0.3	< 0.3	NA	NA	NA	NA
alpha-BHC	µg/L	0.015	< 0.03 J	< 0.03	< 0.35	< 0.35	NA	NA	NA	NA
alpha-Chlordane	µg/L	NS	< 0.14 J	< 0.14	< 0.8	< 0.8	NA	NA	NA	NA
Beta endosulfan	µg/L	110	< 0.04 J	< 0.04	< 0.4	< 0.4	NA	NA	NA	NA
beta-BHC	µg/L	0.025	< 0.06 J	< 0.06	< 0.23	< 0.23	NA	NA	NA	NA
Chlordane	µg/L	0.1	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC	µg/L	NS	< 0.09 J	< 0.09	< 0.24	< 0.24	NA	NA	NA	NA
Dieldrin	µg/L	0.002	0.12 J	0.1	0.1 F	0.095 F	0.091 F	0.11 F	0.16	0.091
Endosulfan sulfate	µg/L	110	< 0.66 J	< 0.66	< 0.35	< 0.35	NA	NA	NA	NA
Endrin	µg/L	2	< 0.06 J	< 0.06	< 0.39	< 0.39	NA	NA	NA	NA
Endrin aldehyde	µg/L	NS	< 0.23 J	< 0.23	< 0.5	< 0.5	NA	NA	NA	NA
gamma-BHC (Lindane)	µg/L	0.2	< 0.04 J	< 0.04	< 0.25	< 0.25	NA	NA	NA	NA
gamma-Chlordane	µg/L	NS	< 0.14 J	< 0.14	< 0.37	< 0.37	NA	NA	NA	NA
Heptachlor	µg/L	0.01	< 0.03 J	< 0.03	< 0.4	< 0.4	NA	NA	NA	NA
Heptachlor epoxide	µg/L	0.01	< 0.83 J	< 0.83	< 0.32	< 0.32	NA	NA	NA	NA
Methoxychlor	µg/L	40	< 1.8 J	< 1.8	< 0.86	< 0.86	NA	NA	NA	NA
p,p'-DDD	µg/L	NS	< 0.11 J	< 0.11	< 0.5	< 0.5	NA	NA	NA	NA
p,p'-DDE	µg/L	0.1	< 0.04 J	< 0.04	< 0.58	< 0.58	NA	NA	NA	NA
p,p'-DDT	µg/L	0.1	< 0.12 J	< 0.12	< 0.81	< 0.81	NA	NA	NA	NA
Toxaphene	µg/L	3	< 2.4 J	< 2.4	< 0.5 F	< 5	NA	NA	NA	NA

TABLE 3-6

**CURRENT AND HISTORICAL GROUNDWATER OCP DATA FOR PESTICIDE AREA OF CONCERN THROUGH OCTOBER 2003**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
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		Well ID:	NZ-66 (continued)						NZ-89	
Parameter	Units	MCL	11/1/2001	5/1/2002		10/22/2002		10/22/2002 <sup>a</sup>	1/9/2001	5/2/2001
			Result	Result	MDL	RI	Result	Result	Result	Result
Aldrin	µg/L	0.002	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
Alpha endosulfan	µg/L	NS	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
alpha-BHC	µg/L	0.015	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
alpha-Chlordane	µg/L	NS	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
Beta endosulfan	µg/L	110	NA	NA	NA	NA	< 0.0096 M	< 0.0096 M	NA	NA
beta-BHC	µg/L	0.025	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
Chlordane	µg/L	0.1	NA	NA	NA	NA	< 0.096	< 0.096	NA	NA
delta-BHC	µg/L	NS	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
Dieldrin	µg/L	0.002	0.11 / 0.12	0.091	0.0001	0.048	0.096	0.0074 F	0.12	0.0498 F
Endosulfan sulfate	µg/L	110	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
Endrin	µg/L	2	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
Endrin aldehyde	µg/L	NS	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
gamma-BHC (Lindane)	µg/L	0.2	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
gamma-Chlordane	µg/L	NS	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
Heptachlor	µg/L	0.01	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
Heptachlor epoxide	µg/L	0.01	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
Methoxychlor	µg/L	40	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
p,p'-DDD	µg/L	NS	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
p,p'-DDE	µg/L	0.1	NA	NA	NA	NA	0.0053 F	0.0046 F	NA	NA
p,p'-DDT	µg/L	0.1	NA	NA	NA	NA	< 0.0096	< 0.0096	NA	NA
Toxaphene	µg/L	3	NA	NA	NA	NA	< 0.48	< 0.48	NA	NA

See page 12 of 12 for notes and definitions.

TABLE 3-6

**CURRENT AND HISTORICAL GROUNDWATER OCP DATA FOR PESTICIDE AREA OF CONCERN THROUGH OCTOBER 2003**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
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Well ID:			NZ-89 (continued)					NZ-91		
Parameter	Units	MCL	11/1/2001	5/1/2002			10/22/2002	1/9/2001	5/2/2001	11/1/2001
			Result	Result	MDL	RL	Result	Result	Result	Result
Aldrin	µg/L	0.002	NA	NA	NA	NA	< 0.0096	NA	NA	NA
Alpha endosulfan	µg/L	NS	NA	NA	NA	NA	< 0.0096	NA	NA	NA
alpha-BHC	µg/L	0.015	NA	NA	NA	NA	< 0.0096	NA	NA	NA
alpha-Chlordane	µg/L	NS	NA	NA	NA	NA	< 0.0096	NA	NA	NA
Beta endosulfan	µg/L	110	NA	NA	NA	NA	< 0.0096 M	NA	NA	NA
beta-BHC	µg/L	0.025	NA	NA	NA	NA	< 0.0096	NA	NA	NA
Chlordane	µg/L	0.1	NA	NA	NA	NA	< 0.096	NA	NA	NA
delta-BHC	µg/L	NS	NA	NA	NA	NA	< 0.0096	NA	NA	NA
Dieldrin	µg/L	0.002	0.087	0.11	0.0001	0.048	0.11	0.14	0.078	0.11
Endosulfan sulfate	µg/L	110	NA	NA	NA	NA	< 0.0096	NA	NA	NA
Endrin	µg/L	2	NA	NA	NA	NA	< 0.0096	NA	NA	NA
Endrin aldehyde	µg/L	NS	NA	NA	NA	NA	< 0.0096	NA	NA	NA
gamma-BHC (Lindane)	µg/L	0.2	NA	NA	NA	NA	< 0.0096	NA	NA	NA
gamma-Chlordane	µg/L	NS	NA	NA	NA	NA	< 0.0096	NA	NA	NA
Heptachlor	µg/L	0.01	NA	NA	NA	NA	< 0.0096	NA	NA	NA
Heptachlor epoxide	µg/L	0.01	NA	NA	NA	NA	< 0.0096	NA	NA	NA
Methoxychlor	µg/L	40	NA	NA	NA	NA	< 0.0096	NA	NA	NA
p,p'-DDD	µg/L	NS	NA	NA	NA	NA	0.0052 F	NA	NA	NA
p,p'-DDE	µg/L	0.1	NA	NA	NA	NA	< 0.0096	NA	NA	NA
p,p'-DDT	µg/L	0.1	NA	NA	NA	NA	< 0.0096	NA	NA	NA
Toxaphene	µg/L	3	NA	NA	NA	NA	< 0.48	NA	NA	NA

See page 12 of 12 for notes and definitions.

TABLE 3-6

**CURRENT AND HISTORICAL GROUNDWATER OCP DATA FOR PESTICIDE AREA OF CONCERN THROUGH OCTOBER 2003**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
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Parameter	Units	MCL	Well ID: NZ-91 (continued)			SZ-09		NZ-119	NZ-120
			5/2/2002			10/22/2002		5/16/2003	5/16/2003
			Result	MDL	RL	Result	Result	Result	Result
Aldrin	µg/L	0.002	NA	NA	NA	< 0.0096	< 0.025 J	< 0.0096	< 0.0096
Alpha endosulfan	µg/L	NS	NA	NA	NA	< 0.0096	< 0.05 J	< 0.0096	< 0.0096
alpha-BHC	µg/L	0.015	NA	NA	NA	< 0.0096	< 0.013 J	< 0.0096	< 0.0096
alpha-Chlordane	µg/L	NS	NA	NA	NA	0.0036 F	< 0.14 J	< 0.0096	< 0.0096
Beta endosulfan	µg/L	110	NA	NA	NA	< 0.0096 M	< 0.04 J	< 0.0096 M	< 0.0096
beta-BHC	µg/L	0.025	NA	NA	NA	< 0.0096	< 0.05 J	< 0.0096	< 0.0096
Chlordane	µg/L	0.1	NA	NA	NA	< 0.096	NA	< 0.096	< 0.096
delta-BHC	µg/L	NS	NA	NA	NA	< 0.0096	< 0.05 J	< 0.0096	< 0.0096
Dieldrin	µg/L	0.002	0.099	0.0001	0.05	0.099	< 0.025 J	0.0005 F	< 0.0096 M
Endosulfan sulfate	µg/L	110	NA	NA	NA	< 0.0096	< 0.1 J	< 0.0096	< 0.0096
Endrin	µg/L	2	NA	NA	NA	< 0.0096	< 0.025 J	< 0.0096	< 0.0096
Endrin aldehyde	µg/L	NS	NA	NA	NA	< 0.0096	< 0.1 J	< 0.0096	< 0.0096
gamma-BHC (Lindane)	µg/L	0.2	NA	NA	NA	< 0.0096	< 0.013 J	< 0.0096	< 0.0096
gamma-Chlordane	µg/L	NS	NA	NA	NA	< 0.0096	< 0.14 J	< 0.0096	< 0.0096
Heptachlor	µg/L	0.01	NA	NA	NA	< 0.0096	< 0.025 J	< 0.0096	< 0.0096
Heptachlor epoxide	µg/L	0.01	NA	NA	NA	< 0.0096	< 0.05 J	< 0.0096	< 0.0096
Methoxychlor	µg/L	40	NA	NA	NA	< 0.0096	< 0.5 J	< 0.0096	< 0.0096
p,p'-DDD	µg/L	NS	NA	NA	NA	0.0024 F	< 0.1 J	< 0.0096	< 0.0096
p,p'-DDE	µg/L	0.1	NA	NA	NA	0.0023 F	< 0.025 J	0.013	< 0.0096
p,p'-DDT	µg/L	0.1	NA	NA	NA	0.0070 F	< 0.1 J	0.0092 F	< 0.0096
Toxaphene	µg/L	3	NA	NA	NA	< 0.48	< 1 J	< 0.48	< 0.48



TABLE 3-6

**CURRENT AND HISTORICAL GROUNDWATER OCP DATA FOR PESTICIDE AREA OF CONCERN THROUGH OCTOBER 2003  
GEORGE AIR FORCE BASE, CALIFORNIA  
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Parameter	Units	Well ID: MCL	NZ-121		NZ-122		
			5/15/2003	10/6/2003	5/15/2003	6/21/2003	10/7/2003
			Result	Result	Result	Result	Result
Aldrin	µg/L	0.002	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
Alpha endosulfan	µg/L	NS	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
alpha-BHC	µg/L	0.015	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
alpha-Chlordane	µg/L	NS	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
Beta endosulfan	µg/L	110	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
beta-BHC	µg/L	0.025	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
Chlordane	µg/L	0.1	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096
delta-BHC	µg/L	NS	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
Dieldrin	µg/L	0.002	< 0.0096 M	< 0.0096	0.041 M	<b>0.035 / 0.033</b>	<b>0.062</b>
Endosulfan sulfate	µg/L	110	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
Endrin	µg/L	2	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
Endrin aldehyde	µg/L	NS	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
gamma-BHC (Lindane)	µg/L	0.2	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
gamma-Chlordane	µg/L	NS	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
Heptachlor	µg/L	0.01	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
Heptachlor epoxide	µg/L	0.01	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
Methoxychlor	µg/L	40	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096 M
p,p'-DDD	µg/L	NS	< 0.0096	< 0.0096	< 0.0096	< 0.0096	< 0.0096
p,p'-DDE	µg/L	0.1	< 0.0096	< 0.0096	<b>0.0032 F</b>	< 0.0096	< 0.0096
p,p'-DDT	µg/L	0.1	< 0.0096	< 0.0096	<b>0.0031 F</b>	< 0.0096	< 0.0096
Toxaphene	µg/L	3	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48

TABLE 3-6

**CURRENT AND HISTORICAL GROUNDWATER OCP DATA FOR PESTICIDE AREA OF CONCERN THROUGH OCTOBER 2003**  
**GEORGE AIR FORCE BASE, CALIFORNIA**  
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Parameter	Units	MCL	Well ID: NZ-123		
			5/16/2003	6/22/2003	10/7/2003
			Result	Result	Result
Aldrin	µg/L	0.002	< 0.0096	< 0.0096	< 0.0096
Alpha endosulfan	µg/L	NS	< 0.0096	< 0.0096	< 0.0096
alpha-BHC	µg/L	0.015	< 0.0096	< 0.0096	< 0.0096
alpha-Chlordane	µg/L	NS	< 0.0096	< 0.0096	< 0.0096
Beta endosulfan	µg/L	110	< 0.0096	< 0.0096	< 0.0096
beta-BHC	µg/L	0.025	< 0.0096	< 0.0096	< 0.0096
Chlordane	µg/L	0.1	< 0.096	< 0.096	< 0.096
delta-BHC	µg/L	NS	< 0.0096	< 0.0096	< 0.0096
Dieldrin	µg/L	0.002	<b>0.0063 M</b>	<b>0.0059</b>	<b>0.0091 F</b>
Endosulfan sulfate	µg/L	110	< 0.0096	< 0.0096	< 0.0096
Endrin	µg/L	2	< 0.0096	< 0.0096	< 0.0096
Endrin aldehyde	µg/L	NS	< 0.0096	< 0.0096	< 0.0096
gamma-BHC (Lindane)	µg/L	0.2	< 0.0096	< 0.0096	< 0.0096
gamma-Chlordane	µg/L	NS	< 0.0096	< 0.0096	< 0.0096
Heptachlor	µg/L	0.01	< 0.0096	< 0.0096	< 0.0096
Heptachlor epoxide	µg/L	0.01	< 0.0096	< 0.0096	< 0.0096
Methoxychlor	µg/L	40	< 0.0096	< 0.0096	< 0.0096 M
p,p'-DDD	µg/L	NS	< 0.0096	< 0.0096	< 0.0096
p,p'-DDE	µg/L	0.1	< 0.0096	< 0.0096	< 0.0096
p,p'-DDT	µg/L	0.1	< 0.0096	< 0.0096	< 0.0096
Toxaphene	µg/L	3	< 0.48	< 0.48	< 0.48